

What is Claimed:

1. A vision system for use with a vehicle configured to move primarily in a first direction, the vision system comprising:

a camera mountable to the vehicle and directable in a second direction substantially opposite the first direction;

a display screen mountable to the vehicle and viewable by the vehicle operator, wherein the display screen has a night illumination function for ease of viewing at night;

an image inverter mountable to the vehicle and electronically coupled to said display screen, wherein the image inverter receives a real-time image from the camera, inverts the real-time image, and transmits the inverted real-time image to the display screen for presentation to the vehicle operator; and

a power switch for providing electrical power to the display screen.

2. A vision system for use with a vehicle, comprising:

a camera mountable to the vehicle;

an angle adjusting component for changing the angle of the camera mountable to the vehicle;

a display screen mountable to the vehicle that displays an image from the camera mountable to the vehicle; and

a link between the turn signals of the vehicle and the angle adjusting component for changing the angle of the camera mountable to the vehicle, wherein activation of the turn signals of the vehicle activates the angle adjusting component for changing the angle of the camera mountable to the vehicle.

3. A vision system for use with a vehicle, comprising:

a camera mountable to the vehicle;

an angle adjusting component for changing the angle of the camera mountable to the vehicle;

a display screen mountable to the vehicle that displays an image from the camera mountable to the vehicle; and

a link between the transmission of the vehicle and the angle adjusting component for changing the angle of the camera mountable to the vehicle, wherein placing the vehicle in

reverse activates the angle adjusting component for changing the angle of the camera mountable to the vehicle.

4. A vision system for use with a vehicle, comprising:
 - a camera mountable to the vehicle;
 - a display screen mountable to the vehicle that displays an image from the camera mountable to the vehicle; and
 - vehicle operator controls for changing the angle of the camera mountable to the vehicle, wherein said vehicle operator controls are substantially in proximity with other vehicle operator controls.
5. A vision system for use with a vehicle, comprising:
 - a first camera mountable to the vehicle positioned for viewing in a substantially forward direction;
 - a second camera mountable to the vehicle positioned for viewing in a substantially rearward direction;
 - an image inverter capable of inverting the image from the second camera mountable to the vehicle; and
 - a display screen mountable to the vehicle that optionally displays images from one or both of said two cameras mountable to the vehicle, wherein if said image inverter inverted an image, that image would be displayed as inverted.
6. A display screen that provides an image to a vehicle operator, comprising:
 - two or more cameras mountable to a vehicle; and
 - a display screen mountable to said vehicle and viewable a vehicle operator, wherein said display screen simultaneously displays to the vehicle operator more than one image from more than one of said two or more cameras mountable to said vehicle.
7. A means for providing a vehicle operator with a field of view, comprising:
 - a means for capturing an image that is mountable to a vehicle;
 - a means for displaying said image to a vehicle operator, wherein said means for displaying is also mountable to said vehicle, and wherein further said means for displaying has a night illumination function for ease of viewing at night;

a means for inverting said image, wherein said means for inverting is also mountable to said vehicle and is electronically coupled to said means for displaying, and wherein said means for inverting receives a real-time image from said means for capturing an image, inverts the real-time image, and transmits the inverted real-time image to the means for displaying for presentation to the vehicle operator; and

a means for providing electrical power to the display screen.